Amendments to Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. -17 (canceled)

18. (currently amended) An isolated polynucleotide comprising
    a) a nucleotide sequence encoding a potassium channel agonist having at least 95% sequence identity, based on the Clustal method of alignment, when compared to a polypeptide of SEQ ID NO:14; or
    b) a complement of the nucleotide sequence of a), wherein the complement and the nucleotide sequence have the same number of nucleotides and are 100% complementary.

19. (previously presented) The polynucleotide of Claim 18 wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:14.

20. (previously presented) The polynucleotide of Claim 18, wherein the polynucleotide comprises SEQ ID NO:13.

21. (currently amended) An isolated polynucleotide comprising
    a) a nucleotide sequence encoding a potassium channel agonist having at least 95% sequence identity, based on the Clustal method of alignment, when compared to amino acids 6-45 of SEQ ID NO:14; or
    b) a complement of the nucleotide sequence of a), wherein the complement and the nucleotide sequence have the same number of nucleotides and are 100% complementary.

22. (previously presented) The polynucleotide of Claim 21 wherein the amino acid sequence of the polypeptide comprises amino acids 6-45 of SEQ ID NO:14.

23. (previously presented) A recombinant DNA construct comprising the polynucleotide of Claim 18 or Claim 21 operably linked to at least one regulatory sequence.

24. (currently amended) A transgenic cell comprising the recombinant DNA construct of Claim 23 wherein the cell is selected from the group consisting of an insect cell, a yeast cell, a plant cell, or a bacterial cell.

25. (canceled)

26. (previously presented) A virus comprising the recombinant DNA construct of Claim 23.

27. (currently amended) A method for transforming a cell comprising introducing into a cell the polynucleotide of Claim 18 or Claim 21 wherein the cell is selected from the group consisting of an insect cell, a yeast cell, a plant cell, or a bacterial cell.

28. (previously presented) A vector comprising the polynucleotide of Claim 18 or Claim 21.

29. (previously presented) An isolated polynucleotide that

(a) comprises at least 75 contiguous nucleotides and

(b) remains hybridized with the isolated polynucleotide of Claim 18 under a wash condition of 0.1X SSC, 0.1% SDS, and 65°C.